

## **ABSTRACT OF THE DISCLOSURE**

A method of rendering colours in a printing system using a set of colorants, includes, for each colour to be rendered, a selection of a subset of colorants and for each colorant of the subset, a selection of a halftone screen and a coverage fraction. The method includes defining discrete colour points in at least a portion of a colour space, determining for the defined discrete colour points, different subsets of colorants and associated coverage fractions thereof, rendering each of the colour points, calculating for each of the subsets an associated graininess value, determining lists of colorant subsets rendering the defined discrete colour points where the lists are consistent with respect to the attribution of a halftone screen to a colorant within a subset over the portion of the colour space, and selecting one of the lists of subsets of colorants on the basis of a total graininess calculated for the lists.